



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

May 14, 2018

Kate Ingram
Senior Product Regulatory Specialist
Solenis LLC
701 Market Street, Suite 111, Box 112
St. Augustine, FL 32095

Subject: Label Amendment – Revised Per PR Notice 2000-5 and Storage and Disposal
Section
Product Name: Specturm RX9500 Microbiocide Agent
EPA Registration Number: 74655-36
Application Date: 01/17/2018
Decision Number: 537714

Dear Ingram:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Terria Northern by phone at 703-347-0265, or via email at northern.terria@epa.gov.

Sincerely,



Zeno Bain, Product Manager
33
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclosure: Approved label

SPECTRUM™ RX9500 microbiocide agent

A liquid microbiocide for use in controlling the growth of bacteria and algae in industrial applications.
Not for the control of algae in the State of California

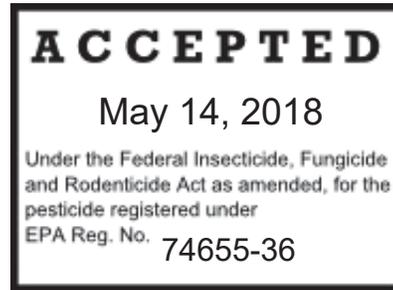
ACTIVE INGREDIENT:

2-bromo-2-nitropropane-1,3-diol....10.0%
INERT INGREDIENTS.....90.0%
Total.....100.0%

EPA Reg. No. 74655-36

EPA Est. No.

Solenis LLC
500 Hercules Rd.
Wilmington, DE 19808
(302) 594-5000
Emergency Phone Number
1-844-SOLENIS (1-844-765-3647)



Produced for: Solenis LLC

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CORROSIVE. Causes eye and skin damage. Do not get in eyes, on skin or on clothing. Avoid breathing spray mists. Wear long sleeve shirt and long pants, socks plus shoes. Wear goggles or face shield and chemical resistant rubber gloves when handling. Do not apply this product in a way that will contact workers or other persons. Harmful or fatal if swallowed. May cause allergic skin reactions in certain individuals. Wash thoroughly with soap and water after handling. Discard clothing or other absorbent materials that have been heavily contaminated with this product's concentrate. Do not reuse them. Remove lightly contaminated clothing and wash separately from other laundry using detergent and hot water before re-use. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. Do not apply in marine and/or estuarine oil fields. Do not contaminate water by cleaning of equipment or disposal of waste.

KEEP OUT OF REACH OF CHILDREN
DANGER

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15- 20 minutes. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

**IN CASE OF EMERGENCY CALL
1-844-SOLENIS (1-844-765-3647)**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Keep away from heat.

PESTICIDE STORAGE: Store in a cool dry place in tightly closed original containers. Prolonged storage under freezing conditions may cause the active ingredients to crystallize.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: **NONREFILLABLE CONTAINER.** Do not refill or reuse container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows:

PAILS (equal to or less than 5 gallons): Empty remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

DRUMS and TOTES/BINS (greater than 5 gallons):

Empty remaining contents into application equipment or mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn container over onto its other end and tip it back and forth several times. Empty the rinsate into the application equipment or mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

ALL NONREFILLABLE CONTAINERS: Offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

INDUSTRIAL PROCESSES AND WATER SYSTEMS

To control the growth of slime forming, spoilage, odor causing and corrosion inducing bacteria and algae in industrial applications. This product can be dosed directly either by open pouring (not cooling water treatment) or by metered pump. For product preservation this product is best added after any heating stage or when the product has cooled below 40°C.

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS AND EVAPORATIVE CONDENSERS:

This product may be dosed directly into the sump or basin or added by a suitable chemical pump. Where metering pumps are used, these must be set to deliver the required dose within 1 hour. The dosing point must be located close to the outlet from the basin to insure rapid dispersal around the system. Do not apply by open pouring of the liquid. Shock dose this product once or twice weekly as a normal routine or more frequently where contamination is heavy. In heavily fouled systems, the tower must be drained and cleaned before treating. This product must be shock dosed at 250 to 1000 pm 2 pt to 8 pt per 1000 gallons) depending on the condition of the tower, the quality of raw water input and the amount of bleed off.

INDUSTRIAL PROCESS WATER:

For use in closed circuit machine cooling (injection molding, etc.) and stored (non-potable) water. To reduce the biofouling of pipework, heat exchangers, condenser tubes and minimize microbially produced corrosion. Shock dosing in the sump/tank of the process water system is preferred. In open systems shock dose once weekly to once monthly depending on the degree of contamination. Closed circuit systems require less frequent dosing. Dose initially at 500ppm (4pt/1000 gallons), then when successful, lower to a minimum of 100ppm. For intermittent treatment during routine maintenance use this product at 1000ppm and a contact time of at least one hour.

PAPER MILL PROCESS WATER SYSTEMS:

Add at a convenient point early in the process system (machine chest, constant head box or backwater loop system). Dose this product once to three times daily at 10 to 250ppm in the process water depending on the complexity of the system, quality of raw paper and type and degree of contamination. This equates to 100 to 2500 ml (0.2 to 5 pt) per tonne of finished paper or paperboard.

PAPER MILLS – BULK PULP:

Add this product directly into the hydropulper, machine chest or stock chest. Apply this product once weekly to once daily at 500 to 2000ppm (500 to 2000 ml per tonne of stock or 4 to 16 pt/1000 gallons) depending on the type and degree of contamination.

OIL AND GAS FLUIDS:

For use in both terrestrial and offshore drilling muds and packer fluids, for the control of contamination and degradation of a wide range of gels and fluids including fracturing, enhanced oil recovery injection, well squeezing, drilling, workover and completion fluids. Add this product at 500 to 1000ppm (4 to 8pt/1000 gallons or 0.18 to 0.36 pt per barrel). For well squeezed fluids add this product at 250 to 2000ppm (2 to 16 pt/1000 gallons).

OIL PROCESS WATERS:

For use in oil and gas well injection and formation waters. This product must be injected as a slug dose at any convenient point at 250 to 1000ppm (2 pt to 8pt / 1000 gallons). A slug dose should be applied from once per week to once per month depending on the severity of contamination.

OIL AND GAS PIPELINE AND TANK MAINTENANCE:

For use in water bottoms in crude and refined hydrocarbon storage tanks, piping and transportation systems. Inject this product directly into the water bottoms or pipeline, or add to the hydrocarbon phase. Treat once daily for pipeline maintenance to once every one to two months for both storage and transportation systems. This product must be applied to achieve 250-2000 ppm in the aqueous phase. Add higher concentrations to the hydrocarbon phase which will result in longer term protection by the gradual diffusion into the water. Dose will depend on the volume of crude or oil and the expected water fraction.

INDUSTRIAL AND/OR COMMERCIAL AIR WASHERS, AIR CONDITIONERS AND HUMIDIFYING SYSTEMS:

For the control of bacterial and algal growth and to remove built up slime deposits. Shock dosing is preferred and must be carried out into the water sump on a routine basis once per week or month. Heavily fouled systems may require twice weekly treatment. Initial dose: 45 mL/cubic meter or 3.8 pints/1000 gallons (equivalent to 50 ppm active ingredient). Subsequent dosing can be reduced by half. Intermittent treatment during regular maintenance and cleaning at a level to 100 ppm active ingredient is also recommended with a contact time of at least one hour.

MATERIAL PRESERVATION**ADHESIVES:**

Add 1 to 5 pt of this product per 100 lb total formulation weight to any water to be incorporated into the formulation.

ABSORBENT CLAYS:

Impregnate absorbent clays by spraying or pouring 250 to 2000ppm of this product (0.4 to 3.2 oz. av. per 100 pounds of clay).

STARCH, PIGMENT AND MINERAL SLURRIES:

Apply this product to water based suspension concentrates at 1000 to 5000ppm based on the final formulation volume (8 to 40 pt/1000 gallons). **Not for use in pigments in the State of California.**

PAINTS AND OTHER EMULSION SYSTEMS:

For the preservation of acrylic, styrene acrylic, polyvinyl acetate and other latex emulsion, latex emulsion based paints, photographic emulsion, silicone and other antifoam emulsion systems. Add this product at 1000 to 5000ppm based on the final formulation volume (8 to 40 pt/1000 gallons).

WATER BASED PRINTING INKS AND FOUNT SOLUTIONS:

During the use of fountain solutions, shock dose this product at 500 to 1000ppm (4 to 8pt/1000 gallons) depending on the contamination. Apply once weekly in the fount as a normal routine, or more frequently if required. For in-can preservation dose this product at 1000 to 5000ppm based on the final formulation volume (8 to 4 pt/1000 gallons).

METALWORKING FLUIDS:

For use in soluble oils, semi-synthetic and synthetic fluids. Add directly to the sump and circulate for about one hour before shutdown. This product may be incorporated in metalworking fluid concentrate by the manufacturer who must ensure that any incompatibility will not affect efficacy. In diluted fluids 2500 to 10,000 ppm of this product is sufficient to control microbial growth (5 gallons of this product in 1000 gallons will give a dose level of 5000 ppm). For maintenance, add 1000-4000ppm of this product.

mmyy [where mm is two numerical digit month and yy is two numerical digit year to be used to identify label version]

[Note to reviewer: information in [] will not appear on marketplace label]